

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2003/002775

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 C03B 33/09

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC B23K, C03B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean Patents and Applications for Invention since 1975
Korean Utility Models and Applications for Utility Models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
NPS, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2001-113384 A(KOIKESANSOKOGYO CO LTD) 24.Apr.2001 see the whole document	1, 6 - 8
A	JP 10-323779 A(HITACHICABLE LTD) 08.Dec.1998 see the whole document	1, 7, 8
A	JP 60-251138 A(HOYA CORP) 11.Dec.1985 see the whole document	1
A	RU 2024441 C1(Kondratenko) 15.Dec.1994 see the whole document	1, 6 - 8
A	KR 2001-63794 A(SAMSUNG ELECTRIC CO LTD) 09.Jul.2001 see the whole document	1, 6 - 8
A	KR 2000-51013 A((SAMSUNG SDI CO LTD) 16.Aug.2000 see the whole document	1, 6 - 10
A	KR 2000-38519 A(SAMSUNG ELECTRIC CO LTD) 05.Jul.2000 see the whole document	1, 6 - 9

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:
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 "O" document referring to an oral disclosure, use, exhibition or other means
 "P" document published prior to the international filing date but later than the priority date claimed

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 "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
 "&" document member of the same patent family

Date of the actual completion of the international search
25 MARCH 2004 (25.03.2004)

Date of mailing of the international search report
25 MARCH 2004 (25.03.2004)

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 2001-113384 A	24.04.2001	NONE	
JP 10-323779 A	08.12.1998	NONE	
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KR 2000-51013 A	16.08.2000	NONE	
KR 2000-38519 A	05.07.2000	NONE	